

Abstract of the Disclosure

A method for fabricating chalcogenide materials on substrates, which reduces and/or eliminates agglomeration of materials on the chalcogenide materials; and system and devices for performing the method, semiconductor devices so  
5 produced, and machine readable media containing the method. One method disclosed includes forming a first layer, forming a second layer on the first layer, forming a third layer on the second layer, wherein the third layer is essentially transparent to irradiation, and irradiating the second layer through the third layer to cause the second layer to diffuse into the first layer thereby creating an integral layer  
10 of materials from the first and second layers.

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